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CLAIMS

What is claimed is:

 A method for manufacturing electron emitters by providing pairs of element electrodes, and conductive layers connecting the element electrodes to each other on a substrate, the method comprising:

a step of forming banks surrounding electrode-forming regions for forming the element electrodes and conductive layer-forming regions for forming the conductive layers;

a step of discharging first droplets toward the electrode-forming regions; and

a step of discharging second droplets toward the conductive layer-forming regions.

- 2. The method for manufacturing electron emitters according to Claim 1, further comprising a step of lyophobing the banks.
- 3. The method for manufacturing electron emitters according to Claim 1, wherein the banks are formed using a lyophobic material.
- 4. The method for manufacturing electron emitters according to Claim 1, further comprising a step of lyophilizing at least one of the electrode-forming region and the conductive layer-forming region.
- 5. An electron emitter manufactured by the method according to Claim1.

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6. An electron emitter comprising:

a substrate;

a pair of element electrodes;

a conductive layer connecting the element electrodes to each other; and

a bank surrounding the element electrodes and the conductive layer,

wherein the element electrodes, the conductive layer, and the bank are disposed on the substrate.

- 7. An electro-optical device comprising the electron emitter according to Claim 6.
- 8. An electronic apparatus comprising the electro-optical device according to Claim 7.
- 8. A method for manufacturing an electron emitter comprising:

 defining a pair of spaced apart electrode-forming regions on a substrate;

 defining a conductive layer-forming region on the substrate, the conductive layer-forming region interconnecting the electrode-forming regions;

forming a bank encircling the electrode-forming regions and the conductive layer-forming region;

discharging first droplets toward the electrode-forming regions to form a pair of element electrodes; and

discharging second droplets toward the conductive layer-forming regions to

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form a conductive layer connecting the element electrodes to each other.

- 9. The method of claim 8 further comprising treating a portion of the conductive layer to form an electron-emitting section.
- 10. The method of claim 8 further comprising removing the bank after the conductive layer and element electrodes are formed.
- 11. The method of claim 8 further comprising rendering the bank lyophobic.
 - 12. The method of claim 8 further comprising rendering at least one of: the electrode-forming regions; and the conductive layer-forming region; lyophilic.